

#24

INFORMATION DISCLOSURE
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ATTY. DOCKET NO.

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2752-31

08/836,075

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U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|------|------|-------|----------|-------------------------------|
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FOREIGN PATENT DOCUMENTS

| DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|--------------------|--------|---------|-------|----------|-----------------------|
| MKB WO-A-95 01442 | 1/1995 | PCT | | | |
| MKB EP-A-0 532 167 | 3/1993 | EPO | | | |
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

| | |
|-----|--|
| MKB | Kato et al, "Molecular Cloning of the Human Hepatitis C Virus Genome From Japanese Patients with Non-A Non-B Hepatitis", PROC. NATL. ACAD. SCI. USA, Vol. 87, 1990, pages 9254-9258, XP000168621. |
| | Database Genban 'Online! Accession No. X78863, 20 May 1994 (1994-05-20) VAN DOORN et al: "Sequence Analysis of Hepatitis C Virus Genotypes 1 to 5", XP002017147 * abstract * and J. GEN. VIROL., Vol. 76, 1994, pages 1871-1876. |
| | Database Genban 'Online! Accession No. D26387, 4 February 1994 (1994-02-04) HOTTA et al: Subtype Analysis of Hepatitis C Virus in Indonesia" XP002017146 * abstract * and J. CLIN. MICROBIOL., Vol. 32, 1994, pages 3049-3051. |
| MKB | BIOCHEM. BIOPHYS. RES. COMMUN., Vol. 170, No. 3, 1990, pages 1021-1025, XPOO2017145 N. ENOMOTO et al: "There are Two Major Types of Hepatitis C Virus in Japan". |

*Examiner

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U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|----------------|-------|----------|-------------------------------|
| MKB | 5,372,928 | 12/1994 | Miyamura et al | | | |
| MKB | 5,514,539 | 5/1996 | Bukh et al | | | |
| | | | | | | |
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FOREIGN PATENT DOCUMENTS

| DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|-----------------|---------|---------|-------|----------|-----------------------|
| 0 532 162 | 3/1993 | EP | | | |
| WO 95/01442 | 1/1995 | PCT | | | |
| MKB WO 93/10239 | 5/1993 | PCT | | | |
| WO 93/06126 | 4/1993 | PCT | | | |
| 419182 A1 | 3/1991 | EP | | | |
| MKB WO 92/19743 | 11/1992 | PCT | | | |
| | | | | | |
| | | | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

| | |
|--|--|
| | Bukh, J. et al, "At least 12 genotypes of hepatitis C virus predicted by sequence analysis of the putative E1 gene of isolates collected worldwide". Proceedings of the National Academy of Sciences of USA, Vol. 90, pages 8234-8238. |
| | Bukh, J. et al, "Sequence analysis of the core gene of the 14 hepatitis C virus genotypes", Proceedings of the National Academy of Sciences of USA, Vol. 91, pages 8239-8424. |
| | Enomoto, N., et al "There are two major types of hepatitis C virus in Japan" Biochem. Biophys. Res. Commun., Vol. 170, No. 3, 1990, pages 1021-1025. XPO02017145 |
| | Diesel, G. et al, "Hepatitis C virus (HCV) genotype distribution in german isolates: studies on the sequence variability in the E2 and NS5 region". Archives of Virology, Vol. 139, No. 3/04, pages 379-388. |
| | Tokita, H. et al, "Hepatitis C virus variants from vietnam are classifiable into the seventh, eighth and ninth major genenetic groups". Proceedings of the National Academy of Sciences of USA, Vol. 91, No. 23, pages 11022-11026. |
| | Stuyver et al, "Hepatitis C virus genotyping by means of 5'-UR/core line probe assays and molecular analysis of untypeable samples". Virus Research, Vol. 30, No. 2-3, pages 137-157. |
| | Simmonds, P. et al, "Mapping of serotype-specific immunodominant epitopes in the NS4 region of hepatitis C virus". J. Clin. Micro., Vol. 31, No. 6, 1993, pages 1493-1503. |
| | Stuyver, L. et al, "Analays of the putative E1 envelope and NS4a epitope regions of HCV type 3", Biochem. Biophys. Res. Commun., Vol. 192, No. 2, 1993, pages 635-641. |
| | Chayama, K. et al, "Genotypic subtyping of hepatitis C virus", J. Gastroenterol. Hepatol., Vol. 8, 1993, pages 150-156. |
| | Weiner et al, "Variable and hypervariable regions are found in the regions of HCV corresponding to the flavivirus envelope and NS1 proteins". Virology, Vol. 180, 1991, pages 842-848. |
| | Bukh et al, PNAS 89 4942-4946, June 1992 |
| | Wallace et al, "Methods in Enzymology", 152:432 (1987). |
| | Cha, T.A. et al, "At least five related but distinct genotypes of hepatitis C virus exist", Proc. Natl. Acad. Sci. USA, Vol. 89, 1992, pages 7144-7148. |

*Examiner

Date Considered

6/6/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application

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1643

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

| | | | |
|------------|---|-----------------|---------|
| <i>MKB</i> | Mori, S. et al, "A new type of hepatitis C in patients in Thailand", Biochem. Biophys. Res. Commun., Vol. 183, No. 1, 1992, pages 334-342. | | |
| <i>MKB</i> | Chan, S.W. et al, "Analysis of a new hepatitis C type and its phylogenetic relationship to existing variants", J. Gen. Virol., Vol. 73, 1992, pages 1131-1141. | | |
| <i>MKB</i> | Chen et al, Virology 188, 102-113 (1992) | | |
| <i>MKB</i> | George et al, "Macromolecular Sequencing and Synthesis, Selected Methods and Applications", pages 127-149, 1988 Alan R. Liss, Inc. | | |
| <i>MKB</i> | Innis et al, "PCR Profocos. A Guide to Methods and Applications", 1990 Academic Press, 11 ³ -12. | | |
| <i>MKB</i> | Van Doorn et al, "Sequence analysis of hepatitis C virus genotypes 1 to 5", Embl/Genbank/DBJ database entry HC3NL96 Accession no. X78863. | | |
| <i>MKB</i> | Hotta et al, "Subtype analysis of hepatitis C virus in Indonesia", DBJ database entry HPCN S5P5 Accession no. D26387. | | |
| <i>MKB</i> | Kato, N. et al, "Molecular cloning of the human hepatitis C virus genome from Japanese patients with non-A non-B hepatitis", Proc. Natl. Acad. Sci. USA, Vol. 87, 1990, pages 9254-9528. DUPLICATE | | |
| *Examiner | <i>MKB</i> | Date Considered | 10/1/01 |

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